

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2006/001286

## A. CLASSIFICATION OF SUBJECT MATTER

INV. G01S1/02 G01S1/68 G01S5/14 H04Q7/38 H04B17/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01S H04Q H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 501 955 B1 (DURRANT RANDOLPH L ET AL) 31 December 2002 (2002-12-31) columns 3-10	1-39
X	GB 2 378 614 A (* SAMSUNG ELECTRONICS COMPANY LIMITED; SAMSUNG ELECTRONICS COMPANY LIM) 12 February 2003 (2003-02-12)	1-8, 33, 34
Y	pages 1-12  pages 17-19	9-32, 35-39
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

## \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

23 May 2006

Date of mailing of the international search report

31/05/2006

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 02/087275 A (QUALCOMM INCORPORATED) 31 October 2002 (2002-10-31)	1-4, 9-14, 21-25, 32-35, 37-39
Y	paragraphs [1019] - [1024] paragraphs [1038] - [1056]  paragraph [1069] paragraphs [1121] - [1132] -----	5-8, 15-20, 26-31, 36
X	US 2003/162550 A1 (KUWAHARA MIKIO ET AL) 28 August 2003 (2003-08-28)	1-4, 9-13, 16, 17, 19, 21-24, 27, 28, 30, 32-39
Y	paragraphs [0011] - [0023] paragraphs [0040] - [0096]  -----	5-8, 14, 15, 18, 20, 25, 26, 29, 31
X	US 2002/115448 A1 (AMERGA MESSAY ET AL) 22 August 2002 (2002-08-22)  paragraphs [0087], [0088] -----	1-13, 21-24, 32-35, 37-39
Y	WO 2004/095733 A (QUALCOMM INCORPORATED; WHEATLEY, CHARLES, E) 4 November 2004 (2004-11-04) the whole document -----	1-39
Y	US 2003/083008 A1 (BAKER KENNETH R ET AL) 1 May 2003 (2003-05-01) cited in the application the whole document -----	1-39
Y	US 2003/220075 A1 (BAKER KENNETH R ET AL) 27 November 2003 (2003-11-27) cited in the application the whole document -----	1-39

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Information on patent family members

International application No

PCT/US2006/001286

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